

# Degree Requirements Worksheet – EVEN BS Degree

Student Name: \_\_\_\_\_

Student#: \_\_\_\_\_

Faculty Advisor: \_\_\_\_\_

## Required Courses

course no.	course name	credits	course taken (if different)	grade	term
<u>Engineering (53 hours)</u>					
EVEN 1000	Intro to Environmental Engineering	1	_____	_____	_____
GEEN 1300	Intro to Engineering Computing	3	_____	_____	_____
GEEN 1400	Engineering Projects	3	_____	_____	_____
CHEN 2120	Chem Engr Matl Energy Balances	3	_____	_____	_____
CVEN 3414	Fundamentals of Environmental Engr	3	_____	_____	_____
a	Solid Mechanics	3	_____	_____	_____
CVEN 4424	Environmental Organic Chemistry	3	_____	_____	_____
b	Probability and Statistics	3	_____	_____	_____
c	Fluid Mechanics	3	_____	_____	_____
d	Thermodynamics	3	_____	_____	_____
CVEN 3454	Water Chemistry	4	_____	_____	_____
e	Heat Transfer	3	_____	_____	_____
f	Numerical Methods	3	_____	_____	_____
CVEN 4434	Environmental Engineering Design	3	_____	_____	_____
CVEN 4444	Environmental Engineering Processes	3	_____	_____	_____
CVEN 4484	Intro to Environmental Microbiology	3	_____	_____	_____
g	Engineering Economics	3	_____	_____	_____
MCEN 4131	Air Pollution Control	3	_____	_____	_____
		<input type="text"/>	Engineering Total (53)		
<u>Mathematics (16 hours)</u>					
APPM 1350	Calculus 1 for Engineers	4	_____	_____	_____
APPM 1360	Calculus 2 for Engineers	4	_____	_____	_____
APPM 2350	Calculus 3 for Engineers	4	_____	_____	_____
APPM 2360	Intro Diff Eqns with Linear Algebra	4	_____	_____	_____
		<input type="text"/>	Mathematics Total (16)		
<u>Sciences (17 hours)</u>					
CHEN 1211	General Chemistry	3	_____	_____	_____
CHEM 1221	General Chemistry Laboratory	2	_____	_____	_____
PHYS 1110	General Physics 1	4	_____	_____	_____
PHYS 1120	General Physics 2	4	_____	_____	_____
PHYS 1140	Experimental Physics 2	1	_____	_____	_____
CHEM 4521	Physical Chemistry for Engineers	3	_____	_____	_____
		<input type="text"/>	Sciences Total (17)		
a	Solid Mechanics options: CVEN 2121 Analytical Mechanics, GEEN 3851 Statics for Engrs, MCEN 2023 Statics and Structures.				
b	Probability & Statistics options: APPM 4570 Statistical Methods, CHEN 3010 Applied Data Analysis, CVEN 3227 Probability, Statistics, & Decisions.				
c	Fluid Mechanics options: CHEN 3200 Chemical Engineering Fluid Mechanics, CVEN 3313 Fluid Mechanics, GEEN 3853 Fluid Mechanics for Engineers, MCEN 3021 Fluid Mechanics.				
d	Thermodynamics options: CHEN 3320 Chemical Engineering Thermodynamics, GEEN 3852 Thermodynamics for Engineers, MCEN 3012 Thermodynamics.				
e	Heat Transfer options: CHEN 3210 Chemical Engineering Heat Transfer, MCEN 3022 Heat Transfer.				
f	Numerical Methods options: APPM 3050 Scientific Computing in MATLAB, MCEN 4030 Computational Methods; also CVEN 5537 Numerical Methods for Civil Engineers, MCEN 5248 Special Topics – Environmental Modeling.				
g	Engineering Economics options: CVEN 4147 Engineering Economy and System Design, EMEN 4100 Business Methods and Economics for Engineers.				

## Elective Courses

course no.	course name	credits	course taken	grade	term
<u>Humanities &amp; Social Sciences Electives (18 hours, 6 hours upper division)</u>					
	H&SS (lower or upper division)	_____	_____	_____	_____
	H&SS (lower or upper division)	_____	_____	_____	_____
	H&SS (lower or upper division)	_____	_____	_____	_____
	H&SS (lower or upper division)	_____	_____	_____	_____
h	Required Communication Course	_____	_____	_____	_____
	H&SS (upper division)	_____	_____	_____	_____
		<input type="text"/>	H&SS Total (18)		
<u>Option Courses (12 hours)</u>					
i	Option 1	_____	_____	_____	_____
	Option 2	_____	_____	_____	_____
	Option 3	_____	_____	_____	_____
	Option 4	_____	_____	_____	_____
		<input type="text"/>	Option Total (12)		
<u>Technical Electives (12 hours, 9 hours upper division, 3 Earth Science)</u>					
j	Tech (lower or upper division)	_____	_____	_____	_____
	Tech (upper division)	_____	_____	_____	_____
	Tech (upper division)	_____	_____	_____	_____
	Tech (upper division)	_____	_____	_____	_____
		<input type="text"/>	Technical Elective Total (12)		

Credit hour Total:

Grade Point Average:

(128)

Preliminary Check:

Date:

Final Check:

Date:

FE Exam:

Date:

- h WRTG 3030 Writing on Science and Society, HUEN 3100/3200, or another approved course.
- i Consult *Environmental Engineering (EVEN) Degree Guidelines* for lists of Option courses.
- j Technical Electives: Three technical elective credits may be lower division (1000-, 2000-level). Three technical elective credits must be in the earth sciences, either lower or upper division (eligible departments and programs include APAS, ATOC, CVEN, GEOL, and GEOG). Independent studies (EVEN 4840) may be completed as technical electives for up to 6 credits total, 3 credits per semester.